

# Daily Report

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## Intro

These two days I spent most of my time on submission of CVM 2013, Attic group meeting and seminar report. There are some improvements on Visual SVM project.

## Research

- **CVM 2013 Final Version** The final version has been submitted to EasyChair.
- **Visual SVM** After the proposal, I made a detailed plan of what should be finished in the next few days:
  - **Interface** There are two main views: parallel coordinates view and multidimensional projection view. The parallel coordinates view tends to show the high-dimensional data as well as highlight support vectors.
  - **Problems to solve** In the parallel coordinates view, there might be some way to find important features of a classification result. Also, from the highlighted support vectors there may be some patterns for the vectors.  
The following targets are also necessary:
    - \* distance function and kernel function tuning (input parameters tuning);
    - \* scale dimensions (however not known how to do it);
- **Attic** After yesterday's group meeting, Hu Wanqi has finished the interface framework with ExtJS. He will continue working on drag-and-drop effect.

## Plan for Tomorrow

- Continue implementing the two views;
- find papers that points out insufficiency of tuning an SVM and getting more understanding about the trained model;
- make Gu Maojie's working plan in Attic project.